

REMARKS

The above-captioned application along with the following remarks are being submitted as a full and complete response to the Office Action dated May 18, 2005. In view of the above amendments and the following remarks, the Examiner is respectfully requested to give due reconsideration to this application, to indicate the allowability of the claims, and to pass this case to issue.

Status of the Claims

Claims 5-15 and 21-28 are under consideration in this application. Claims 1-4 and 16-20 are being cancelled without prejudice or disclaimer. Claim 5 is being amended, as set forth in the above marked-up presentation of the claim amendments, in order to more particularly define and distinctly claim Applicants' invention. New claims 21-28 are being added to recited other embodiments described in the specification.

Additional Amendments

The specification and the claims are being amended to correct formal errors and/or to better disclose or describe the features of the present invention as claimed. All the amendments to the claims are supported by the specification. Applicants hereby submit that no new matter is being introduced into the application through the submission of this response.

Formality Rejection

The specification was objected to for various informalities regarding parameters. The specification is being amended as required by the Examiner. Accordingly, the withdrawal of the outstanding informality rejections is in order, and is therefore respectfully solicited.

Allowable Subject Matters

Claims 5-15 would be allowed if rewritten in independent form to include the limitations of the base claim and any intervening claims. As claims 5-15 are being rewritten in independent form to include the limitations of the base claim and any intervening claims, they are in condition for allowance.

Prior Art Rejections

Claims 1-4 and 16-20 were rejected under 35 U.S.C. § 102(e) as being anticipated by US Pat. No. 6,408,075 to Ohki et al. (hereinafter "Ohki"), and were further rejected under 35 U.S.C. § 102(b) as being anticipated by EP 0981223 to Kabushiki Kaisha (hereinafter "EP'223"). The prior art references of Hoffstein et al. (6,081,597) and Ichikawa (5,872,846) were cited as being pertinent to the present application.

As claims 1-4 and 16-20 are being cancelled without prejudice or disclaimer, the rejections thus become moot.

The features of the new claims 21-28 of dividing the data and changing the order of calculations are not disclosed or suggested in the prior art references. Claim 1 is supported by page 21, line 11 to page 29, especially RSA being described on page 22, lines 22-23 and ECC being described on page 25, lines 14-18. The difference between RSA and ESS is whether the operator denoted by O is * (RSA) or + (ECC).

Applicants contend that none of the cited references teaches or suggests each and every feature of the present invention as recited in independent claims 21 and 25. As such, the present invention as now claimed is distinguishable and thereby allowable over the rejections raised in the Office Action. The withdrawal of the outstanding prior art rejections is in order, and is respectfully solicited.

Conclusion

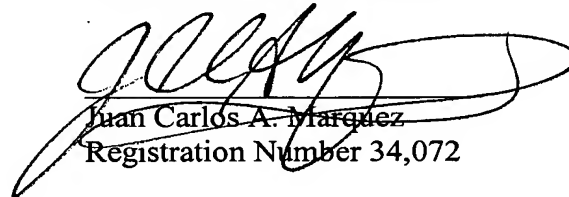
In view of all the above, clear and distinct differences as discussed exist between the present invention as now claimed and the prior art reference upon which the rejections in the Office Action rely. Applicants respectfully contend that the prior art references cannot anticipate the present invention or render the present invention obvious. Rather, the present invention as a whole is distinguishable, and thereby allowable over the prior art.

Favorable reconsideration of this application is respectfully solicited. Should there be any outstanding issues requiring discussion that would further the prosecution and allowance

of the above-captioned application, the Examiner is invited to contact the Applicants' undersigned representative at the address and telephone number indicated below.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344


Juan Carlos A. Marquez
Registration Number 34,072

REED SMITH LLP
3110 Fairview Park Drive, Suite 1400
Falls Church, Virginia 22042
(703) 641-4200

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SPF/JCM/JT